

PATENT SPECIFICATION

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(54) A CLEANING PAD FOR CLEANING LOUVRED PANELS

(71) I, ROBERT NOWAK, a British Subject, of 4, New Bridge Street, Greengate, Manchester M3 7WW, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The invention concerns cleaning pads and it provides a cleaning pad for cleaning louvred panels.

Louvred panels are becoming increasingly popular as structures of aesthetic merit in furniture and in door construction, but such structures do present a problem when it comes to cleaning them if the expenditure of time is to be kept to reasonable proportions.

According to the present invention, a cleaning pad for cleaning louvred panels comprises a body part with a length dimension greater than its width dimension and having parallel upstanding formations transverse to said length dimension, said formations providing in cross section a saw-tooth like profile of alternate sharply rising and inclined edges.

According to a preferred feature, the profile comprises a succession of teeth of right-triangular form.

According to a further preferred feature the body part is resiliently flexible, and the device further includes a holder with which the body part is releasably supported.

According to a still further preferred feature, the device also includes a readily removable cleaning cloth applied to the body part and covering the surfaces of the upstanding formations.

The invention will now be described further, by way of example only, with reference to the diagrammatic drawing filed with the provisional specification, such drawing illustrating one embodiment of the invention. In the drawing:—

Fig. 1 is a side elevation of a cleaning pad constructed in accordance with the invention; and

Fig. 2 is a section taken on line II—II of Fig. 1.

Referring now to the drawing, the clean-

ing pad comprises a body part 11 having a length dimension greater than its width dimension and releasably supported in a holder 12. The part 11 has a readily removable cleaning cloth 13 applied to it to cover the surfaces of upstanding formations 15 which are transverse to the length dimension and which provide in cross section a saw-tooth like profile of alternate sharply rising and inclined edges in the manner seen from Fig. 1.

The body part 11 comprises a rectangular block of a resilient polyurethane foam material and is formed with a slot or groove 14 along each longitudinal edge. Each upstanding formation 15, of which, in the embodiment under consideration, there are six, although this number may be varied to suit particular requirements, is of generally right-triangular transverse cross-section, the formations 15 being provided in succession in the longitudinal direction of the body part and extending from edge to edge of the body part. Each upstanding formation presents a first transverse surface 16 which is inclined, corresponding inclined surfaces being parallel one to another, and a second transverse surface 17 which lies in a plane perpendicular to the length dimension of the body part.

The body part 11 is provided with transverse shallow slits 18 between successive upstanding formations 15.

The holder 12 comprises a channel member of a length which corresponds to that of the body part and the longitudinal edges of such member have inwardly directed lips 19 for engagement with the slots 14 provided in the edges of the body part. The holder 12 may be fabricated from a rigid synthetic plastics material.

The cleaning cloth 13 comprises a rectangular piece of a textile napped fabric of the kind commonly used in the manufacture of dusters or polishing cloths, the cloth being of a width in excess of the width of the body part and of a length such as to cover the surfaces of the formations 15 with sufficient material remaining for the ends 20 thereof to be tucked into the opposite ends

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of the holder 12 and between such holder 12 and the body part 11.

In order to secure the cleaning cloth to cover the surfaces of the formations 15 the material of the cloth 13 is folded into the slits 18, the resilience of the material of the body part maintaining such securement.

In use, the cleaning pad, with cloth 13 fitted, is applied to the louvred panel to be cleaned with the cloth covered upstanding formations in engagement with successive elements of the louvre panel. Application of pressure to the pad, whilst moving the same along the elements of the louvre panel, will, by virtue of the compressibility of the material of the body part, ensure that the surfaces of the louvre elements will be cleaned, in that the upstanding formations will be forced between successive louvre elements to reach parts thereof which cannot normally be reached easily.

It has been found that the securing of the cleaning cloth to the body part at the slits between successive upstanding formations, together with the location of the ends of the cloth between the body part and the holder, is adequate to prevent displacement of the cloth from the body part during normal usage. The absence of movement of the cleaning cloth relative to the body part is due, in some part, to the co-operation between the nap of the cleaning cloth and the open cell structure of the material of the body and of the upstanding foundations.

The invention is not restricted to the exact features of the embodiment hereinbefore described and illustrated since alternatives will readily present themselves to one skilled in the art. Thus, for example, whilst it is thought desirable to utilise a separable cleaning cloth in some circumstances the surface of the pad may itself define a cleaning surface.

WHAT I CLAIM IS:—

1. A cleaning pad for cleaning louvred panels comprising a body part with a length dimension greater than its width dimension

and having parallel upstanding formations transverse to said length dimension, said formations providing in cross section a saw-tooth like profile of alternate sharply rising and inclined edges.

2. A cleaning pad as claimed in claim 1, which the profile comprises a succession of teeth of right-triangular form.

3. A cleaning pad as claimed in claim 1 or 2 in which the body part is resiliently flexible.

4. A cleaning pad as claimed in claim 3 in which the body part is of foam material.

5. A cleaning pad as claimed in any one of the preceding claims, further including a holder with which the body part is releasably supported.

6. A cleaning pad as claimed in claim 5, wherein the holder is of channel shape and has inwardly directed lips at the longitudinally extending edges thereof in engagement slots or grooves provided in the edges of the body part.

7. A cleaning pad as claimed in any one of the preceding claims including a readily removable cleaning cloth applied to the body part and covering the sharply rising and inclined surfaces of the upstanding formations.

8. A cleaning pad as claimed in claim 7 including a transverse slit in the body part at the root of each upstanding formation and the cloth is folded in the slits to secure it covering the surfaces of the upstanding formations.

9. A cleaning pad as claimed in claim 7 or 8 in which the cloth is wider than the pad.

10. A cleaning pad substantially as hereinbefore described with reference to the drawing filled with the provisional specification.

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PROVISIONAL SPECIFICATION

1 SHEET

*This drawing is a reproduction of
the Original on a reduced scale*

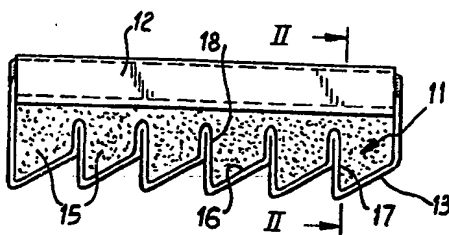


Fig. 1

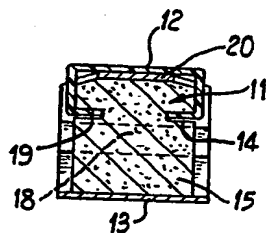


Fig. 2